

**Commonwealth of Kentucky**  
**Division for Air Quality**  
**EXECUTIVE SUMMARY**

TITLE V FINAL PERMIT No. V-06-053

AMERICAN ELECTRIC POWER

BIG SANDY POWER PLANT

LOUISA, KY

JULY 2, 2007

MARTHA M. ALLMAN, REVIEWER

SOURCE PLANT I.D. #:	21-127-00003
SOURCE A.I. #:	2610
ACTIVITY APPLICATION LOG #:	APE20040001

**SOURCE DESCRIPTION:**

A renewal Title V operating permit application was received on June 17, 2004 from American Electric Power (AEP) for its Big Sandy Power Plant located near Louisa, Kentucky in Lawrence County. The submittal included a Compliance Assurance Monitoring (CAM) plan. A revised CAM plan was filed on April 20, 2006. The application was deemed administratively complete on September 11, 2004.

The Big Sandy Power Plant is a fossil fuel-fired electric generation facility that provides retail and wholesale electricity. The facility consists of two (2) coal-fired steam generators with a rated design capacity of 2512 MMBtu/hr (260 MW) and 7914 MMBtu/hr (800 MW), both with back-up #2 fuel oil capability, an oil-fired auxiliary boiler rated at 642 MMBtu/hr, various supporting operations including coal and ash handling, and various tanks with insignificant emissions.

**U.S. EPA REVIEW:**

The Division issued the proposed permit on May 16, 2007. The U.S. EPA was notified of the issuance of the proposed permit on May 16, 2007 via electronic mail. The comment period expired 45 days from May 16, 2007. No comments were received during this period. The permit is now being issued final.